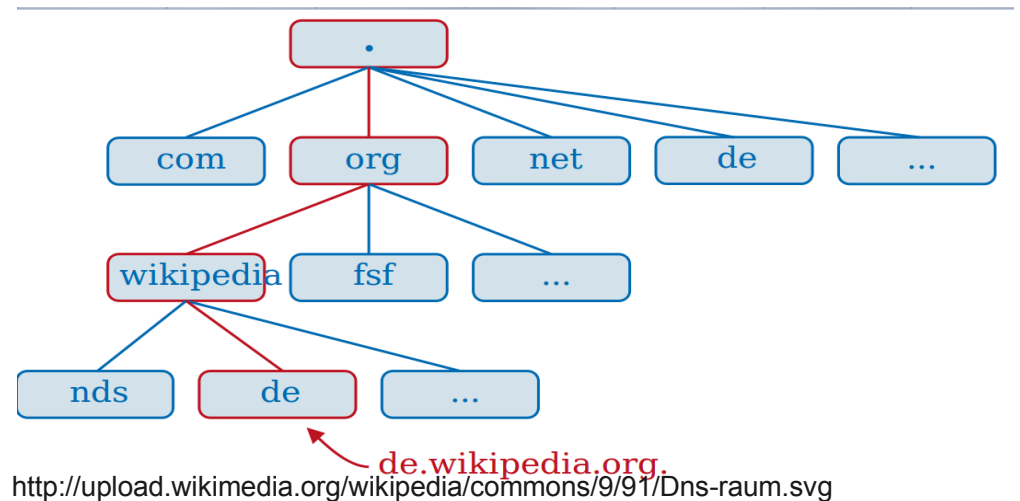

Mail / DNS

31.05.2010

DNS

- Domain Name System
- Phone book
- www.example.org ↔ 192.0.2.42
- Hierarchical structure
- Easy to extend
- Uniqueness of names



DNS in our lab

- Mail server
- Static IP addresses
- Every course member has fixed network name
- DNS allows us to ping “markus.course”
- Two files containing “tables” with the names mapped to the IP address and vice versa

DNS in our lab

/etc/bind/named.conf.local

```
zone "course" {  
type master;  
file "/etc/bind/db.course";  
};  
zone "16.168.192.in-addr.arpa" {  
type master;  
file "/etc/bind/db.192.168.16";  
};
```

DNS in our lab

/etc/bind/db.course:

```
;
; BIND reverse data file for broadcast zone
;
$TTL 86400      <your username>.course.
@      IN      SOA      <your username>.course.  root.<your username>.course. (
                        10051701      ; Serial
                        604800      ; Refresh
                        86400      ; Retry
                        2419200      ; Expire
                        86400 )      ; Negative Cache TTL
;
@      IN      NS       <your username>.course.
lkajan      A      192.168.16.7
<other course members>
```

DNS in our lab

/etc/bind/db.192.168.16:

```
;
; BIND reverse data file for broadcast zone
;
$TTL 86400
@           IN      SOA      <your username>.course. root.<your username>.course. (
                                10051701                ; Serial
                                604800                    ; Refresh
                                86400                      ; Retry
                                2419200                    ; Expire
                                86400 )                   ; Negative Cache TTL
;
@           IN      NS       <your username>.course.
7           PTR      lkajan.course.
<other course members>
```

Mail server

- Server that handle email traffic
- Sending
- Receiving
- Forwarding
- Saving

Mail server

`/etc/aliases:`

```
postmaster:  root
```

```
root:        <your username>
```

`~/.procmailrc:`

```
DEFAULT='`$HOME/Maildir/`'
```

IMAP

- Internet Message Access Protocol
- Access and Management of Mail servers
- Mail Clients
- Mail is saved on server
- Mail seems to be local
- Allows access by different users

Icedove



-
- Mail client
 - Easy and intuitive access to mail server
 - Similar to Mozilla Thunderbird

Questions?

Thank you!